

curriculum vitae



Personal information

Surname(s) / First name(s)

Visai Livia

Address(es)

Cascina Gaggianese, 25D4, 20088 ROSATE (MI) - ITALY

Telephone(s)

0039 0382 987725

Mobile: 0039 3393951479

Fax(es)

0039 0382 423108

E-mail(s)

livia.visai@unipv.it e livia.visai@icsmaugeri.it

Nationality(-ies)

Italian

Date of birth

06-06-1961

Gender

Female

Bibliometric data:

Scopus HI: 44

Web of science HI: 43

Google Scholar HI: 52

Occupational field

-Associate Professor in Biochemistry at the Department of Molecular Medicine, Faculty of Medicine, University of Pavia, Italy.

- ISTECCNR Associate position 2018-2020, Faenza, Italy.

-Member of the Scientific Committee of the Foundation of the European Centre for Nanomedicine (CEN), 2016-2021, Italy.

-Referent of the Academic Strategic project of University of Pavia titled "Center for Health Technologies" 2015-2017 - Coordinator of the Nanomedicine Pillar.

-Operating as Associate Professor within the national health service of Scientific Clinical Institutes (ICS) Maugeri, IRCCS, Italy

-National recognition of scientific value in 3 different scientific sectors as an Associate Professor and Full Professor: Biochemistry (BIO-10), Molecular Biology (BIO-11) and Applied Biology (BIO13) (in 2014 and confirmed in 2015)

Work experience

Dates

November 2018

Occupation or position held

Contact person for the University of Pavia of the "3R Inter-University Center"

[\(https://www.centro3r.it/\)](https://www.centro3r.it/)

Main activities and responsibilities

Scientific and didactic contact

Name and address of employer

University of Pavia, Corso Strada Nuova 65, 27100 Pavia, Italy

Type of business or sector

Activities related to the 3R center

Dates	July 2018
Occupation or position held	Nominee as a member of the joint commission of Medicine Faculty
Main activities and responsibilities	Activities related to joint commission of Medicine Faculty
Name and address of employer	University of Pavia, Corso Strada Nuova 65, 27100 Pavia, Italy
Type of business or sector	Activities related to joint commission of Medicine Faculty
Dates	March 2018
Occupation or position held	ISTEC-CNR Associate position 2018-2020
Main activities and responsibilities	Research activities
Name and address of employer	Istec CNR (www.istec.cnr.it/), Via Granarolo, 64 - 48018 Faenza (RA), Italy
Type of business or sector	Activity related to research
Dates	January 2018-2021
Occupation or position held	Advisor at Scuola Avanzata di Alta Formazione Dottorale (SAFD)
Main activities and responsibilities	All the scientific and organizing activities of SAFD
Name and address of employer	University of Pavia, Corso Strada Nuova 65, 27100 Pavia, Italy
Type of business or sector	Activity related to the Ph.D. courses in Science for life
Dates	May 2017-2021
Occupation or position held	Member of the Scientific Committee of the Italian Society of Biomaterials (SBB), http://www.biomateriali.org/
Main activities and responsibilities	All the scientific and organizing activities of SBB
Name and address of employer	Policlinico di Milano, Milano, Italy
Type of business or sector	Scientific Research and Teaching Activity in Medical Science
Dates	April 2017
Occupation or position held	Vice-Coordinator of the Ph.D programme in Translational Medicine
Main activities and responsibilities	Ph.D programme
Name and address of employer	University of Pavia, Corso Strada Nuova 65, 27100 Pavia, Italy
Type of business or sector	Scientific Research and Teaching Activity in Medical Science
Dates	June 2016- June 2021
Occupation or position held	Member of the Scientific Committee of the Foundation of the European Centre for Nanomedicine (CEN), http://nanomedicen.eu/
Main activities and responsibilities	All the activities that compete as a member of the scientific committee of the CEN.
Name and address of employer	Centro Europeo di Nanomedicina, Piazza Leonardo da Vinci 32, 20133 Milano, Italy
Type of business or sector	Member of the Scientific Committee of CEN
Dates	July 2015
Occupation or position held	Associate professor at Istituti Clinici Maugeri, IRCCS https://www.icsmaugeri.it/preview/
Main activities and responsibilities	Nanotechnology Laboratory
Name and address of employer	Via S.Boezio, 28, Pavia, Italy
Type of business or sector	Scientific Research and Teaching Activity in Medical Science
Dates	June 2015
Occupation or position held	Referent of the academic strategic project of Centre for Health Technologies (CHT), http://cht.unipv.it/index.php/it/ (2015-2017)

Main activities and responsibilities	Head of the Nanomedicine pillar
Name and address of employer	Via Ferrata 1, University of Pavia, 27100 Pavia, Italy
Type of business or sector	Scientific Research and Teaching Activity in Medical Science
Dates	June 2015 up to now
Occupation or position held	Associate Professor in Biochemistry at the Department of Molecular Medicine of Medicine Faculty http://molecularmedicine.unipv.it/reseach-groups/biochemistry/l-visai/
Main activities and responsibilities	Scientific Research Activities in the application of Nanotechnology on International Space Station (ISS) with Samantha Cristoforetti (2015), on tissue Engineering/ regenerative medicine and on the reduction of bacterial infections. Teaching Activity at the Faculty of Medicine: Degree in Health Care Professions
Name and address of employer	University of Pavia, Corso Strada Nuova 65, 27100 Pavia, Italy
Type of business or sector	Scientific Research and Teaching Activity in Medical Science
Dates	June 2009 up to September 2015
Occupation or position held	Vice-Director of the Interdepartmental Center for Tissue Engineering (CIT)
Main activities and responsibilities	Scientific Research Activities in Tissue Engineering
Name and address of employer	University of Pavia, Corso Strada Nuova 65, 27100 Pavia, Italy
Type of business or sector	Scientific Research in Medical Science
Dates	September 2011 up to December 2014
Occupation or position held	Head of the Nanotechnology Laboratory at Fondazione Salvatore Maugeri, IRCCS
Main activities and responsibilities	Scientific Research Activities in Nanotechnology and Nanomedicine
Name and address of employer	Fondazione Salvatore Maugeri, IRCCS, 27100 Pavia , Italy
Type of business or sector	Scientific Research in Medical Science
Dates	September 2011 and September 2012
Occupation or position held	<u>Visiting Professor in USA</u>
Main activities and responsibilities	Projects discussion
Name and address of employer	Prof Mauro Ferrari, The Methodist Hospital Research Institute (MHRI), Houston , Texas, USA and Prof. Magnus Hook, "Center for Extracellular Matrix Biology" at the Institute of Bioscences and Technology of the Texas A&M University System Health Science Center, Houston, Texas, USA.
Type of business or sector	Scientific Research in Medical Science
Dates	July 1st, 2009 – July 7th, 2009
Occupation or position held	<u>Visiting Professor in USA</u>
Main activities and responsibilities	Project discussion in a bilater project USA/ITALY
Name and address of employer	Prof. Magnus Hook, "Center for Extracellular Matrix Biology" at the Institute of Bioscences and Technology of the Texas A&M University System Health Science Center, Houston, Texas, USA
Type of business or sector	Scientific Research in Medical Science
Dates	2006-2016
Occupation or position held	Member of the Doctorate "Biologia e Biotecnologia Molecolare" of Perugia University
Main activities and responsibilities	Ph.D programme
Name and address of employer	University of Perugia, Perugia, Italy
Type of business or sector	Scientific Research and teaching activity in Medical Science

Dates **June 2005- June 2015**
Occupation or position held **Assistant Professor in Biochemistry**
Main activities and responsibilities Scientific Research Activities and Teaching Activity at the Faculty of Medicine: Degree in Health Care Professions
Name and address of employer University of Pavia, Corso Strada Nuova 65, 27100 Pavia, Italy
Type of business or sector Scientific Research in Medical Science

Dates **June 2001 – August 2001**
Occupation or position held **Research Assistant in Biochemistry in USA**
Main activities and responsibilities Research collaboration with Prof. Magnus Hook
Name and address of employer Prof. Magnus Hook, “Center for Extracellular Matrix Biology” at the Institute of Biosciences and Technology of the Texas A&M University System Health Science Center, Houston, Texas, USA
Type of business or sector Scientific research in Medical Science

Dates **December 1994 – June 2005**
Occupation or position held **Confirmed Researcher in Biochemistry**
Main activities and responsibilities Scientific Research Activities and Teaching Activity at the Faculty of Medicine: Degree in Health Care Professions
Name and address of employer University of Pavia, Corso Strada Nuova 65, 27100 Pavia, Italy
Type of business or sector Scientific research in Medical Science

Dates **June 1992 – June 1994**
Occupation or position held **Post-Doc in Biochemistry**
Main activities and responsibilities Scientific Research Activities on biochemical and immunological characterization of bacterial adhesins
Name and address of employer University of Pavia, Corso Strada Nuova 65, 27100 Pavia, Italy
Type of business or sector Scientific research in Medical Science

Dates **June 1989 – June 1992**
Occupation or position held **Fellowship in Biochemistry**
Main activities and responsibilities Scientific Research Activities on biochemical and immunological characterization of bacterial adhesins
Name and address of employer Officina Farmaceutica Mastelli of San Remo, San Remo, Italy
Type of business or sector Scientific research in Medical Science

Education and training

Dates **July 1985- July 1989**
Title of qualification awarded **PhD in biochemistry**
Principal subjects/Occupational skills covered Scientific Research Activities on biochemical and immunological characterization of bacterial adhesins
Name and type of organisation providing education and training University of Pavia, Corso Strada Nuova 65, 27100 Pavia, Italy
Level in national or international classification National

Dates **July 1985- July 1987**

Title of qualification awarded **Research Fellowship in biochemistry In USA**
Principal subjects/Occupational skills covered Scientific Research Activities on biochemical and immunological characterization of bacterial adhesins
Name and type of organisation providing education and training Prof. Magnus Hook, "Center for Extracellular Matrix Biology" at the Institute of Biosciences and Technology of the Texas A&M University System Health Science Center, Houston, Texas, USA
Level in national or international classification International
Dates **July 1988**
Title of qualification awarded **Title of Italian Biologist**
Name and type of organisation providing education and training University of Pavia, Corso Strada Nuova 65, 27100 Pavia, Italy
Level in national or international classification National
Dates **October 1980- March 1985**
Title of qualification awarded **Degree in Biological Science**
Principal subjects/Occupational skills covered Experimental Thesis: Study on collagens binding to hepatocytes and bacteria: an analysis of specificity
Name and type of organisation providing education and training University of Pavia, Corso Strada Nuova 65, 27100 Pavia, Italy
Level in national or international classification National

Personal skills and competences

Mother tongue(s)
Other language(s)
Other language(s)
Self-assessment
European level (*)

Language

Italian
English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Good	Good	Good	Good	Good

(*) Common European Framework of Reference (CEF) level

Social skills and competences

- Good team spirit;
- Ability to adapt to multicultural environments;
- Good communication skills to write clearly or transmit information effectively;
- Capacity and Social skills acquired during sports and cultural activities.

Organisational skills and competences

- **Coordinator of the teaching** in the university for the Degree in Health Care Professions, class 2", Faculty of Medicine;
- **ABILITY TO ORGANIZE NATIONAL CONFERENCES** (From 1997 to date she is member of the Organizing Committee of the National Meeting of Ph.D. students in biochemical disciplines that takes place every year in Brallo di Pregola, Pavia; In 2006 she was member of the scientific and organizational committee of the congress of the Italian Society of Biochemistry and Molecular Biology (SIB) held in Pavia on May 19 at the Volta College; In 2009 she was a member and chairman of the scientific and organizational committee of the national congress of the Italian Biomaterial Society (Sib) held in Salice Terme from June 15-17 at President Hotel.
- **PARTICIPATION IN AUDITORS 'COMMITTEES OF NATIONAL AND INTERNATIONAL FINANCING** (- Member of the MIUR audit committee for the evaluation of PRIN projects (Research Projects of National Interest) – 2007; - External auditor for "Fundação para a Ciência e Tecnologia"

(FCT), Lisboa, Portugal for the evaluation of national projects in the "Bioengineering, biotechnology and biochemistry" sector. Year June 2011 and August year 2012; - Participation in the review hearing for the Doctoral Programs (DK) "Biomedical Engineering for Musculoskeletal Disorders", at the Medical University of Vienna and Vienna University of Technology, Vienna, June 30, 2011)
- Good attitude to the management of projects and research groups.
- **Representation to the Academic Bodies and Faculty of Pavia University** (2000-2005) and part of its commissions.
- Capacity and Organizational skills acquired in the professional context.

Technical skills and competences

- Nanotechnology in Space : Study of osteoporosis in microgravity and on International Space Station (ISS) - Agenzia Spaziale italiana (ASI) and ESA and NASA;
- Nanotechnology in cancer: Breast cancer: defeat it with smart gold nanospheres (University of Pavia, www.universitiamo.eu) ;
- Nanotechnology in infection and against biofilm formation : Study of the interaction of Gram-positive and Gram-negative bacteria with extracellular matrix; isolation, biochemical and immunological characterization of bacterial adhesins; characterization of biomaterials with surface properties of anti-adhesive and antibacterial activity (anatase titanium, or surfaces containing zinc, silver, gold or gallium nanoparticles); Photodynamic treatment as an alternative approach for the inactivation of bacterial biofilm by use of substances such as Toluidine blue, Menocianina 540 and porphyrins;
- Nanotechnology in tissue engineering and regeneration: Characterization of the calcified matrix produced by stem cells (pluripotent or multipotent or iPSCs) on biomaterials (titanium and titanium alloys, hydroxyapatite, keratin, absorbable biocompatible polymers, nano and micro electrospun materials etc.), following the application of the "shear stress" produced from a perfusion bioreactor, or by exposure to electromagnetic (PEMF), ultrasound or laser treatment (LLLI);
- Antibodies: Production of polyclonal and monoclonal antibodies in mice and rabbits and their characterization; antibodies by phage display technology
- Biocompatibility and toxicity studies: Characterization of biomaterials (variously treated polyurethanes, polyurethane foams and shape memory polyurethanes, hydroxyapatite, metal foams etc.) and their capacity to adsorb plasma-derived proteins; study of their cytotoxicity and emobiocompatibility with different cell lines (epithelial, endothelial, macrophages, fibroblasts, platelets);

AWARDS

- Premium "Lombardia è Creatività" for the crowdfunding project "**Breast cancer: Defeat It with intelligent gold nanospheres**" (november 2017)
-1st place on the Competition Switch2Product - National Congress of Bioengineering 2018 with: "**Bac3Gel: a Universal 3D Matrix for Bacterial Culture**" Paola Petrini, Daniela P. Pacheco, Natalia Suarez Vargas, Sonja Visentin, Livia Visai, Federico Bertoglio.

Computer skills and competences

- Computer skills and abilities acquired in the professional context.
- Good command of Microsoft Office™ (Word™, Excel™ and PowerPoint™);
- Basic knowledge of graphic design applications (Adobe Illustrator™, PhotoShop™, GraphPad etc).

Artistic skills and competences

Sport (aquatic and mountain), reading, music, drawing.
Artistic skills and competences acquired in free time

Other skills and competences

Publishing activity at the publishing house The McGraw Hill Companies – Italy
Translation of the following books from English into Italian language:
"Biochemistry" JD Rawn, and the entire "Exercise book" Biochemistry of the same author;
part of the book "Biology" by J. Postlethwaite, J.Hopson, R. Veres;
"Biochemistry" by Laurence A. Moran.
Consultant to the translation from the English dictionary, "The Dictionary of Cell Biology" by John M. Lackie and Julian A.T. Dow
The McGraw Hill Companies - Italy, Milan headquarters

Editorial Board Member

Biochemistry & Analytical Biochemistry, <https://www.longdom.org/biochemistry-and-analytical-biochemistry/editorial-board.html> (since 2011)
Journal of Applied Materials & Functional Materials , <https://journals.sagepub.com/home/jbf> (since 2011)

Driving licence(s)

Driving Licence Type B

Additional information

Magnus Hook, PhD | Neva and Wesley West Professor
Regents & Distinguished Professor
Director, Center for Infectious and Inflammatory Diseases
Texas A&M Health Science Center
MS 1201 | 2121 W Holcombe Blvd | Houston, TX 77030-3303
ph: 713.677.7551 | mhook@ibt.tamhsc.edu

Prof. Dott. Marcello Imbriani
Ordinario di Medicina del Lavoro
Direttore Dipartimento di Sanità Pubblica, Medicina Sperimentale e Forense
Università degli Studi di Pavia
Direttore Dipartimento Medicina del Lavoro, Tossicologia e Rischi ambientali
Fondazione S. Maugeri, IRCCS
Via S. Boezio, 24 - 27100 Pavia
Tel.: 0382-303 506 – cell. 366 777 44 75

Further info can be found at the following web sites:

<http://www.ncbi.nlm.nih.gov/pubmed/?term=visai+l>

<http://molecularmedicine.unipv.it/reseach-groups/biochemistry/l-visai/>

Attached file **ANNEX 1 - List of publications**

Signature



Date June 12th, 2020

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base art. 13 del D. Lgs. 196/2003.